

Sheep S100 Calcium Binding Protein A12 ELISA Kit | S100A12 elisa kit

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CATALOG #
AAA90353

REACTIVITY
Sheep

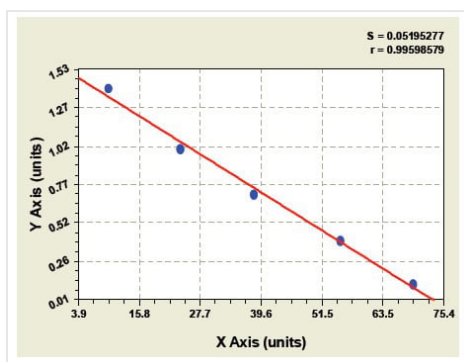
PRODUCT SYNONYMS

S100 Calcium Binding Protein A12; Sheep S100 Calcium Binding Protein A12 ELISA Kit; S100A12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This S100A12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep S100A12. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S100A12 elisa kit

Principle of the Assay: S100A12 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-S100A12 antibody and an S100A12-HRP conjugate. The assay sample and buffer are incubated together with S100A12-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the S100A12 concentration since S100A12 from samples and S100A12-HRP conjugate compete for the anti-S100A12 antibody binding site. Since the number of sites is limited, as more sites are occupied by S100A12 from the sample, fewer sites are left to bind S100A12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The S100A12 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for S100A12 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119573717
NCBI GeneID	6283
Molecular Weight	10,575 Da
NCBI Official Full Name	S100 calcium binding protein A12 (calgranulin C)
NCBI Official Synonym Full Names	S100 calcium binding protein A12
NCBI Official Symbol	S100A12
NCBI Official Synonym Symbols	p6; CAGC; CGRP; MRP6; CAAF1; MRP-6; ENRAGE
NCBI Protein Information	protein S100-A12; EN-RAGE; calgranulin C; calgranulin-C; neutrophil S100 protein; calcium-binding protein in amniotic fluid 1; migration inhibitory factor-related protein 6; S100 calcium-binding protein A12 (calgranulin C); extracellular newly identified RAGE-binding protein
UniProt Protein Name	Protein S100-A12
UniProt Gene Name	S100A12
UniProt Synonym Gene Names	CAAF1; CAGC; EN-RAGE; MRP-6; p6
UniProt Entry Name	S10AC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/s100a12-sheep-elisa-kits/s100-calcium-binding-protein-a12/90353>